



Bacteria Cookies



This activity takes approximately 10 minutes.

Bacteria are single-celled organisms that are so tiny, they can only be seen through a microscope. There can be bad bacteria (germs) or good bacteria like the ones that live in our gut.

*There are several different shapes that bacteria can be, but the most common shapes are circles called **COCCI**, rods called **BACILLI** or spirals called **SPIRRILLA**.*

Most bacteria live in water or in the ground, but many live inside or on the skin of other organisms, including humans. There are as many bacteria cells in the human body as there are human cells.

We are going to make cookies that look like we are looking down the microscope at bacteria.

You will need:

☞ Cookies (any type)

☞ Icing sugar

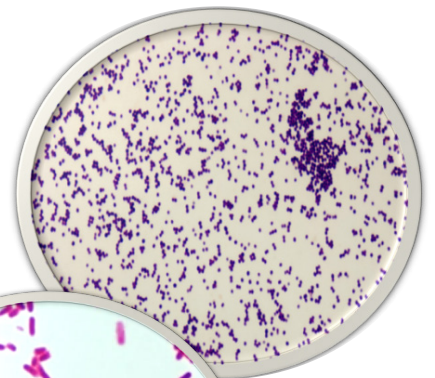
☞ Milk

☞ 100s and 1000s

☞ Sprinkles

Instructions:

1. Gather the ingredients you will need to make your bacteria cookie.
2. Make your icing (ask an adult to help you with this step). In a bowl, add icing sugar and some milk. Mix until smooth and adjust the consistency by adding more milk or sugar as needed. You want the icing to be thick enough so that it won't run off the cookie, but thin enough for you to be able to spread it over your cookie.
3. Cover your cookie with icing. This will serve as a background for your microscope.
4. Cover your cookie in "bacteria". Choose if you would like to have COCCI (100s and 1000s) or BACILLI (sprinkles).
5. Enjoy your bacteria cookie!



**FUN
FACTS!**

Bacteria were the first organisms to live on earth. Researchers have discovered fossils that show bacteria were around 3 billion years ago!

Our researchers at Telethon Kids Institute study bacteria under the microscope. Researchers from the Skin Health team take swabs from sores to identify the different types of bacteria and find out the right treatment for them.

